

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-7. (canceled)

8. (Currently amended) A computer program for ~~obtaining assertions from a~~ specification compatibility tracking for a ~~computer program~~ software product, comprising:

~~a code segment that receives an input specification for a computer program;~~

~~a code segment that identifies a context within the input specification;~~

5 a code segment that ~~parses the identified context to obtain assertions, wherein~~ assertions ~~are testable~~ associates testable assertions with statements within an input specification;

10 a code segment that binds each testable assertion to one of a plurality of tests that test the testable assertion, each one of the tests being a computer program testing an implementation of the software product to determine whether the software product complies with the portion of the input specification that corresponds with the testable assertion bound to the one of the tests;

a code segment that identifies each testable assertion as tested, non-tested, or invalid;
and

15 a code segment for presenting information on coverage of the input specification by tests

~~a code segment that adds the obtained assertions to an assertion result set, wherein the~~
~~assertion result set can be used to facilitate testing of the input specification.~~

9-20 (Canceled)

21. (New) The computer program of claim 8, wherein the information includes a percentage of the testable assertions covered by the tests.

22. (New) The computer program of claim 8, wherein the information includes a list of the testable assertions tested by the tests.

23. (New) The computer program of claim 8, wherein the information includes a list of the testable assertions not tested by the tests.

24. (New) The computer program of claim 8, further comprising:
a code segment identifying ones of the testable assertions affected by a change to the input specification.

25. (New) A method for specification compatibility tracking for a software product, comprising:

associating testable assertions with statements within an input specification;

5 binding each testable assertion to one of a plurality of tests that test the testable assertion, each one of the tests being a computer program testing an implementation of the software product to determine whether the software product complies with the portion of the input specification that corresponds with the testable assertion bound to the one of the tests;

identifying each testable assertion as tested, non-tested, or invalid; and

presenting information on coverage of the input specification by tests.

26. (New) The method of claim 25, wherein the information includes a percentage of the testable assertions covered by the tests.

27. (New) The method of claim 25, wherein the information includes a list of the testable assertions tested by the tests.

28. (New) The method of claim 25, wherein the information includes a list of the testable assertions not tested by the tests.

29. (New) The method of claim 25, further comprising:
identifying ones of the testable assertions affected by a change to the input specification.